## CITY OF KIRKLAND CAPITAL IMPROVEMENT PROGRAM 2019 TO 2024

| PROJECT #          | SDC0490000   |
|--------------------|--------------|
| DEPARTMENT         | Public Works |
| DEPARTMENT CONTACT | Rod Steitzer |

| PROJECT  | FORBES CREEK / 108TH AVENUE NE FISH PASSAGE IMPROVEMENTS        | ,             |                  |
|----------|-----------------------------------------------------------------|---------------|------------------|
| TITLE    |                                                                 |               |                  |
| PROJECT  | 108th Ave NE, between Forbes Creek Drive and NE 108th Street at | PROJECT START | PROJECT STATUS   |
| LOCATION | Forbes Creek                                                    | 2023          | Modified Project |

## **DESCRIPTION/JUSTIFICATION**

108th Avenue NE is elevated above Forbes Creek and the adjacent wetlands. Curbs on both sides of the road appear to prevent street runoff from draining to the stream resulting in standing water on the road during storm events. The existing dual 36-inch corrugated metal pipe culverts also have created a barrier to fish passage. The culverts are located in a depositional area of Forbes Creek resulting in one of the two culverts filling with sediment, restricting fish passage.

## **REASON FOR MODIFICATION (WHERE APPLICABLE)**

Project moved from 2019-2020 to 2023-2024 and beyond based on 2018 reprioritization of the Surface Water Master Plan criteria. Total project costs changed from \$426,400 to \$1,323,100 due to updated cost estimate including added Critical Areas Ordinance requirements and escalation for future years.

| POLICY BASIS              |
|---------------------------|
| Surface Water Master Plan |
|                           |

| COUNCIL GOALS             |  |
|---------------------------|--|
| Environment               |  |
| Dependable Infrastructure |  |

| METHOD OF FINA  | ANCING (%) |
|-----------------|------------|
| Current Revenue | 100 %      |
| Reserve         | 0%         |
| Grants          | 0%         |
| Other Sources   | 0%         |
| Debt            | 0%         |
| Unfunded        | 0%         |

| CAPITAL COSTS                   | Prior<br>Year(s) | 2019 | 2020 | 2021 | 2022 | 2023    | 2024    | 2019-2024<br>TOTAL | Future<br>Year(s) | Total<br>Project |
|---------------------------------|------------------|------|------|------|------|---------|---------|--------------------|-------------------|------------------|
| Planning/Design/<br>Engineering | 0                | 0    | 0    | 0    | 0    | 114,100 | 140,000 | 254,100            | 226,000           | 480,100          |
| In-House<br>Professional Svcs.  | 0                | 0    | 0    | 0    | 0    | 57,000  | 70,000  | 127,000            | 112,900           | 239,900          |
| Land Acquisition                | 0                | 0    | 0    | 0    | 0    | 0       | 0       | 0                  | 0                 | 0                |
| Construction                    | 0                | 0    | 0    | 0    | 0    | 424,000 | 518,000 | 942,000            | 838,000           | 1,780,000        |
| Comp. Hardware/<br>Software     | 0                | 0    | 0    | 0    | 0    | 0       | 0       | 0                  | 0                 | 0                |
| Equipment                       | 0                | 0    | 0    | 0    | 0    | 0       | 0       | 0                  | 0                 | 0                |
| Other Services                  | 0                | 0    | 0    | 0    | 0    | 0       | 0       | 0                  | 0                 | 0                |
| Total                           | 0                | 0    | 0    | 0    | 0    | 595,100 | 728,000 | 1,323,100          | 1,176,900         | 2,500,000        |
| NEW MAINT. AND OPER.            | 0                | 0    | 0    | 0    | 0    | 0       | 0       | 0                  | 0                 | 0                |
| NEW FTE                         | 0.00             | 0.00 | 0.00 | 0.00 | 0.00 | 0.00    | 0.00    | 0.00               | 0.00              | 0.00             |

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PROJECT # SDC0490000

DEPARTMENT Public Works

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| PROJECT | FORBES CREEK / 108TH AVENUE NE FISH PASSAGE IMPROVE | MENTS |  |
|---------|-----------------------------------------------------|-------|--|
| TITLE   |                                                     |       |  |

| CRITERIA                                                                | PROJECT IMPACTS (RESPOND TO ALL SECTIONS WHICH APPLY)                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Amount of public disruption and inconvenience caused                    | During construction, anticipated to last 2-3 weeks, alternate routes for the residents living north of Forbes Creek along 108th Ave NE will be required.                                                                                                                                                                           |
| Community economic impacts                                              | Overall maintenance costs will be reduced.                                                                                                                                                                                                                                                                                         |
| Health and safety,<br>environmental,<br>aesthetic, or social<br>effects | Localized flooding and environmental degradation will continue if the sedimentation along this stretch of Forbes Creek is not addressed. Available fish habitat would be enhanced with the projects.                                                                                                                               |
| Responds to an<br>urgent need or<br>opportunity                         | This project is identified as a high priority in the Surface Water Master Plan.                                                                                                                                                                                                                                                    |
| Feasibility,<br>including public<br>support and<br>project readiness    | During the design development and community involvement process, the access and delivery needs of the neighbors will be addressed. This project does not present significant engineering issues. Permitting and environmental issues will be addressed during design.                                                              |
| Conforms to legal<br>or contractual<br>obligations                      | Will be designed and constructed per professional and legal standards and guidelines.                                                                                                                                                                                                                                              |
| Responds to state<br>and/or federal<br>mandate                          | Environmental and habitat enhancement for fish including native cutthroat and other species is consistent with the Endangered Species Act.                                                                                                                                                                                         |
| Benefits to other capital projects                                      | Project timing will be coordinated with other utility projects (WA 0101 and SS 0062).                                                                                                                                                                                                                                              |
| Implications of deferring the project                                   | Continued flooding events.                                                                                                                                                                                                                                                                                                         |
| CONFORMANCE<br>WITH ADOPTED<br>COMPREHENSIVE<br>PLAN                    | Name of Neighborhood(s) in which located: South Juanita Is there a specific reference to this project or land use in the immediate vicinity? No How does the project conform to such references? Attachments (Specify)                                                                                                             |
| LEVEL OF SERVICE<br>IMPACT                                              | <ul> <li>□ Project provides no new capacity (repair, replacement or renovation).</li> <li>☑ Project provides new capacity. Amount of new capacity provided: approximately 30-40%</li> <li>□ Project assists in meeting/maintaining adopted level of service.</li> <li>□ Project required to meet concurrency standards.</li> </ul> |